

# Manhole Inspection Summary

Manhole # S21M\_\_028MH

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**Inspection** ☐ Is Incomplete Rating: **4) Poor**

Record Plat: **21M** Node: **028** Status: **Found**

Insp Date: **2/23/09 1:51 PM**

Incomplete Comments

Crew: **REI**  
Inspector: **paulfry**  
Firm: **ATS**

**Location** Address: **510 S MONROE ST**

Cross Street: **WILKENS AV**

**Manhole** Type: **Inline** Location: **Roadway** Ground Conditions: **Dry**

☐ Prev. Rehab Weather: **Dry** Subject To Ponding: **Ponding**

Comments **HEAVY CLEANING FROM DOWNSTREAM MANHOLE S21M\_\_040MH TO BREAK THROUGH LARGE GREASE DEPOSITS AND ALEAVIATE SURCHARGE.**

**Cover** Shape: **Circular** Diameter: **24** (in.) Length: **0** (in.) Dist A/B Grade: **1** (in.)

Type: **Sanitary** Condition: **Cracked** Cover Material: **Cast Iron**

Properties: ☐ Bolted ☐ Vented ☐ Water Tight ☐ Water Tight Insert

**Frame** Offset: **4** (in.) Condition: ☐ Sound ☒ **Cracked** ☐ Leaks

**Chimney / Frame Adjustment** ☒ Exists Material: **Brick** ☐ Parged Height: **2.5** (in.)

Condition: ☐ Sound ☒ **Cracked** ☐ Root Intrusion ☒ **Loose Brick** ☐ Deteriorated

Infiltration: ☐ None ☒ **Joint** ☐ Cracks ☐ Mortar ☐ Roots ☐ Wall

**Corbel** Material: **Brick** ☐ Parged Type: **Concentric/Eccentric**

Condition: ☒ Sound ☐ Cracked ☐ Root Intrusion ☐ Loose Brick ☐ Deteriorated

Infiltration: ☒ None ☐ Joint ☐ Cracks ☐ Mortar ☐ Roots ☐ Wall

**Barrel** Material: **Brick** ☐ Parged

Shape: **Circular** Diameter: **45** (in.) Length: **0** (in.)

Condition: ☐ Sound ☐ Cracked ☐ Root Intrusion ☐ Loose Brick ☒ **Deteriorated**

Infiltration: ☒ None ☐ Joint ☐ Cracks ☐ Mortar ☐ Roots ☐ Wall

**Bench** ☒ Exists Material: **Brick** ☐ Parged

Condition: ☐ Sound ☐ Cracked ☐ Root Intrusion ☒ **Deteriorated** ☐ Leaks ☒ **Debris**

**Channel** Material: **Brick** ☐ Parged

Channel Exposure: **Fully Open** Junc Dist: **0** nearest .5 ft. Azimuth: **0**

Condition: ☒ Sound ☐ Cracked ☐ Root Intrusion ☐ Deteriorated ☐ Leaks ☐ Debris

**Steps** Count: **7** Missing: **0** ☒ **Corroded**

**Surcharge** ☒ **Evidence Of Surcharge** Depth: **4** (ft.) ☐ Active Surcharge Present

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Location View



Top View



MISC.



SUBJECT TO PONDING DUE TO  
SETTLEMENT AROUND FRAME

MISC.



TOP VIEW PRIOR TO CLEANING

Defect



Barrel\_loose bricks, deteriorated, bench  
deteriorated

Defect 9



CRACKED FRAME

Defect 8



CRACKED CHIMNEY BRICK and infiltration

Defect 7



LOOSE CHIMNEY BRICK

Defect 6



CRACKED COVER

Defect 5



FRAME OFFSET, Leaks

Defect 4



CORRODED STEPS

Defect 3



EVIDENCE OF SURCHARGE

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Defect 2



DEBRIS ON BENCH

Defect 1



SETTLEMENT OF FRAME AND  
ASPHALT OF 1 INCH BELOW CURB  
BASE



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8 in. Circular Gravity Sewer  
Pipe Out @ 12 O'Clock

12 O'Clock Outflow



Pipe Height: **8.4** (in.) Rod and Bar (Angled)  
Pipe Material: **Clay** ☐ Pipe Lined  
Invert Depth: **11.65** (ft.) Flow Characteristics: **Slow**  
Deposits: ☒ None ☐ Mud ☐ Sludge ☐ Debris ☐ Grease  
Silt Depth: **0** (in.) Deposits Extent:  
Infiltration: **None** Pipe Seal Cond: **Cracked**

Drop: **None**

Connects To: **Manhole**

☐ Possible Illicit Connection

8 in. Circular Gravity Sewer  
Pipe In @ 5 O'Clock

5 O'Clock Inflow



Pipe Height: **8.4** (in.) Rod and Bar (Angled)  
Pipe Material: **Clay** ☐ Pipe Lined  
Invert Depth: **6.90** (ft.) Flow Characteristics: **Slow**  
Deposits: ☐ None ☒ Mud ☒ Sludge ☐ Debris ☒ Grease  
Silt Depth: **3** (in.) Deposits Extent: **Medium**  
Infiltration: **None** Pipe Seal Cond: **Sound**

Drop In @ 5 O'Clock



Drop: **Outside** Rod and Bar  
Angled: **Yes** Reading: **10.15** (ft.)  
Inv Depth: **11.15** (ft.)  
Drop Condition: **Clogged**

Connects To: **Manhole**

☐ Possible Illicit Connection